BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : Development of Park in Ward No. 06

Estimated Cost : 2.50 Lakhs

Job Code: 006-20-000196

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Development of Parks in ward no 06

Estimation Cost: 2.5 Lakhs

No	Description of work	Unit	Sides	No	L	B	D	Quantity	Rate in Rs.	Amount in Rs
					m	m	m			
	PARK IMPROVEMENT WORK									
	Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required & utilising/transporting the remaining earth upto 1.00 km lead. Including the cost of labour & HOM as per drawing and technical									
	jungle cleaning	Cum								
				1.00	9.00	19.20		172.80		
							Total Quantity	172.80	50.00	8640.00
	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 **(P.No155 of I.No.20.20 in PW,P&IWTD SR 2018-19)**									
	Earth Filling for park	cum								
				1.00	9.00	19.20	1.00	172.80		
							Total Quantity	**172.80**	221.54	38282.00
	Basic rate	**209.00**								
	Area Weightage 6%	**12.54**								
	Total	**221.54**								
	KSRB 2-1 : Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavatedstuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. **No. KBS 2.1(a) / 2.3.1**									
	Earthwork for ssm	Cum								
				1.00	9.00	19.20	0.30	51.84		
							Total Quantity	51.84	207.00	10731.00
	Basic rate	**130.00**								
	Loading and unloading with 5km lead= 57+2.0x1.28x5 = 69.80	**69.80**								
	Area Weightage 6%	**11.99**								
	Total	**211.79**								
	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 2100 **(P.No.222, I.No.27.18 of PW,P&IWTD S.R 2018-19)**									
	pcc for steps	Cum		1.00	3.00	1.00	0.10	0.30		
	pcc for ssm			1.00	9.00	0.45	0.10	0.41		
							Total Quantity	**0.71**	5421.90	3822.00
	Basic rate	**5115.00**								
	Area Weightage 6%	**306.90**								
	Total	**5421.90**								
	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar & stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, HOM, curing complete as per specifications. KBS 5.1.13. cement mortar 1:6(P.No.255, I.No.34.8.2 of PW, P&IWTD S.R 2018-19)									
		Cum								
	New SSM			1.00	47.40	0.45	0.20	4.27		
				1.00	9.00	0.45	0.60	2.43		
	Steps Raising			1.00	6.00	1.00	0.20	1.20		
				1.00	6.00	0.70	0.20	0.84		

			1.00	6.00	0.35	0.20	0.42		
						Total Quantity	9.16	4871.76	44606.00
A.Basic rate	**4596.00**								
B.Area Weightage 6%	**275.76**								
Total	**4871.76**								
Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, HOM curing complete as per specifications.cement mortar 1:4. **(P.No.256, I.No.34.13.1 of PW, P&IWTD S.R 2018-19)**									
	Sqm								
New SSM			1.00	47.40	0.45	0.20	4.27		
			1.00	9.00	0.45	0.60	2.43		
Steps Raising			1.00	6.00	1.00	0.20	1.20		
			1.00	6.00	0.70	0.20	0.84		
			1.00	6.00	0.35	0.20	0.42		
						Total Quantity	9.16	148.40	1359.00
A.Basic rate	**140.00**								
Area Weightage @ 6%	**8.40**								
Total	**148.40**								
KSRB 4-6.1 : Providing and removing **centering, shuttering, strutting, propping** etc and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2**(P.No.16, I.No.4.28 of PW, P&IWTD SR2018-19)**									
coping concrete	Sqm								
			1.00	56	0.45	0.10	2.54		
						Total Quantity	2.54	273.48	694.00
Basic Rate	**258.00**								
Area Weightage @ 6%	**15.48**								
Total	**273.48**								
Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM, curing complete as per specifications.Specification No. KBS 4.1, 4.2**(P.No 255, I.No.34.11 of PW,P&IWTD S.R 2018-19)**									
Coping Concrete for ssm	Cum		1.00	56.40	0.45	0.10	2.54		
Steps Coping Concrete			1.00	6.00	1.00	0.10	1.20		
			1.00	6.00	0.70	0.10	0.84		
			1.00	6.00	0.35	0.10	0.42		
						Total Quantity	5.00	5599.98	27989.00
Basic rate	**5283.00**								
Area Weightage 6%	**316.98**								
Total	**5599.98**								
Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. (P. No. 43 / I. No. 7.38 of CSR 2015-16)									
Stainless Steel Railing	Sqm								
For steps			2	1.00		0.95	1.90		
							1.90	6382.26	12126.29
A.Basic rate		**6021.00**							
B.Area Weightage 6%		**361.26**							
Total		**6382.26**							

	Providing and fixing M.S Gate as per Cheaf Architect Drawing using 50mmX50mm 14 guage M.S hollow pipe frame work bent to ornamental shape as shape as shown in the drawing and 35mmX6mm and 16X16mm squre roads for verticals alternatively spaced at 4cms c/c in two halves and 40mmX6mm M.S flats for horizontal member and at at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of of rust and painted with anti corrosive paint (shop paint) etc., complete the work includes cost of all materials, labour charges for all item of work, hire charges of welding, cutting and grainding equipment, and electricity charges, with lead and lift loading and lunloading charges. etc., complete as per specification and drawing Page No.45/ I No. 7.37/ PWD SR 2018-19									
		Sqm								
	Entrance Gate			1	2.50		2.50	6.25		
							Total Quantity	**6.25**	**3192.72**	**19955.00**
	A.Basic rate		**3012.00**							
	B.Area Weightage 6%		**180.72**							
	Total		**3192.72**							
	Supplying and fixing **M.S. Rectangular poles** made out of 2 equal anglesof 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mmdia M.S. hold fast rods each of length 25 cms. Including cost of all materialscutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) including cost of materials, labour, HOM complete as per specifications.									
		m								
				3			3.00	9.00		
							Total Quantity	9.00	**948.70**	**8538.30**
	A.Basic rate		**895.00**							
	B.Area Weightage 6%		**53.70**							
	Total		**948.70**							
	Providing and fixing **M.S. Block pipe of 38mm dia**, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint, including cost of materials,									
		m								
				3	7.50		3.00	67.50		
							Total Quantity	67.50	**432.48**	**29192.40**
	A.Basic rate		**408.00**							
	B.Area Weightage 6%		**24.48**							
	Total		**432.48**							
	Providing **chain link fencing 50mm** size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications.									
		sqm								
				1.00	7.50		3.00	22.50		
							Total Quantity	22.50	**757.90**	**17052.75**
	A.Basic rate		**715.00**							
	B.Area Weightage 6%		**42.90**							
	Total		**757.90**							
									Total Construction Cost	**2,22,987.74**
									12% GST on KPWD 2018-19 items	**26,758.53**
									Sub Total	**2,49,746.27**
									Miscellaneous and rounding off	**253.73**
									Total	**2,50,000.00**

TECHNICAL SANCTION
Accorded For Rs. 2.50 Lakhs only
Head of A/c P3292
Div. Ref. No. 77 Date 01/12
AE EE(BTP)

Administrative Approval
Accorded For Rs 2.5 Lakhs
Head of A/C P3292
CER NO : 18 Dt 05.11.2020
TA CE (YNK)

ficate.

1 The workspot was inspected and work is found to be necessary.
2 The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3 The rates adopted based on the PWD SR, Bangalore circle for year 2018-19, PWD SR Bangalore circle for year 2018-19
4 and PWD SR Bangalore circle for year KPWD Ele. SR 2014-15.
5 The provisions made in the estimate are necessary and essential.

Assistant Engineer
Assistant Executive Engineer
Executive Engineer